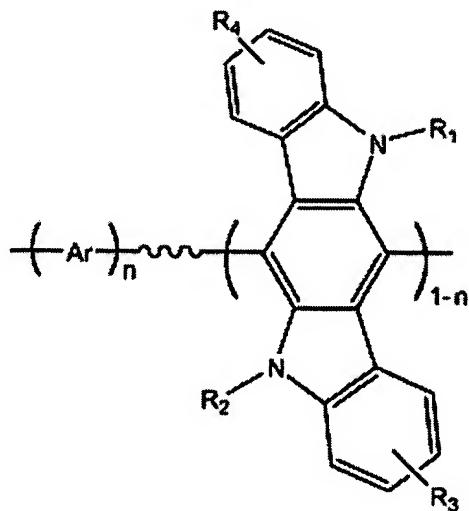


AMENDMENTS TO THE CLAIMS

Following is a listing of all claims in the present application, which listing supersedes all previously presented claims:

Listing of Claims:

1. (Currently Amended) A polymer represented by formula 1:



<Formula 1>,

wherein:

Ar is selected from the group consisting of a substituted or unsubstituted C₆₋₃₀ aryl group and a substituted or unsubstituted C₂₋₃₀ heteroaryl group;

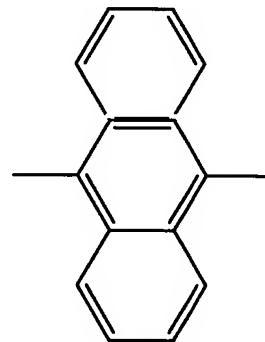
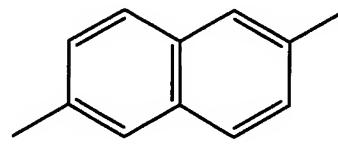
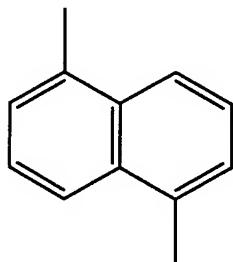
R₁, R₂, R₃ and R₄ are independently a hydrogen atom, a substituted or unsubstituted C₁₋₃₀ alkyl group, a substituted or unsubstituted C₁₋₃₀ alkoxy group, a substituted or unsubstituted C₆₋₃₀ aryl group, a substituted or unsubstituted C₆₋₃₀ arylalkyl group, a substituted or unsubstituted C₆₋₃₀ aryloxy group, a substituted or unsubstituted C₂₋₃₀ heteroaryl group, a substituted or unsubstituted C₂₋₃₀ heteroarylalkyl group, a substituted or unsubstituted C₂₋₃₀ heteroaryloxy group, a substituted or unsubstituted C₅₋₂₀ cycloalkyl group, and a

substituted or unsubstituted C₅-30 heterocycloalkyl group; [[and]]

n is a real number between 0.01 and 0.99; and

the polymer has a weight average molecular weight within the range of from about 10,000 to about 200,000 and a molecular weight distribution of 1.5 to 5.

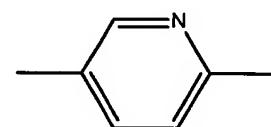
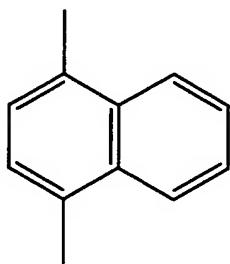
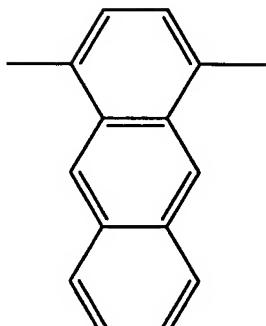
2. (Currently Amended) The polymer of claim 1, wherein in formula 1, the arylene (Ar) unit ~~in the main chain of the polymer~~ is a group represented by one or more formula selected from the group consisting of:



(1a)

(1b)

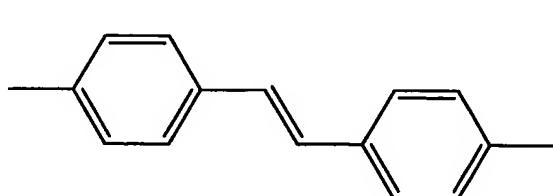
(1c)



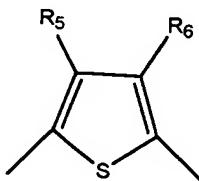
(1d)

(1e)

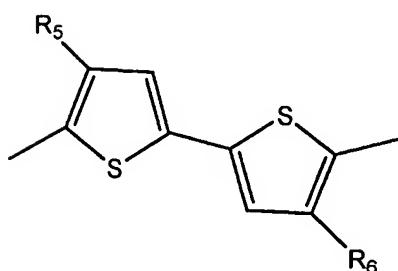
(1f)



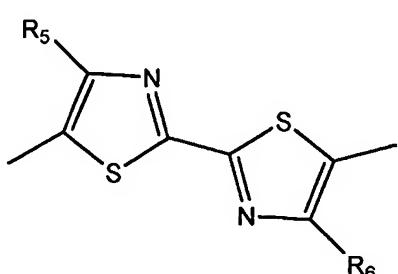
(1g)



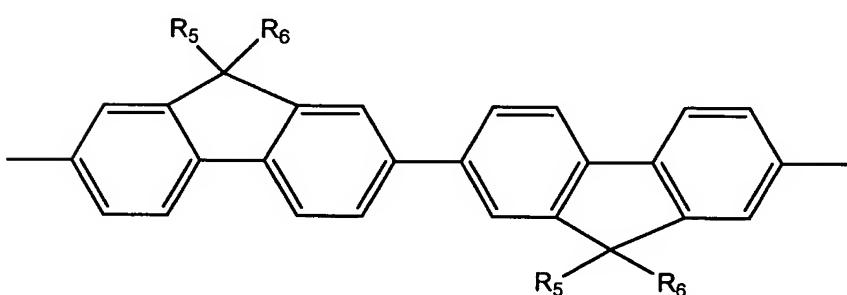
(1h)



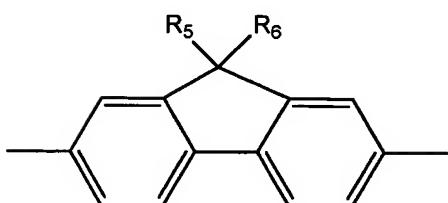
(1i)



(1j)



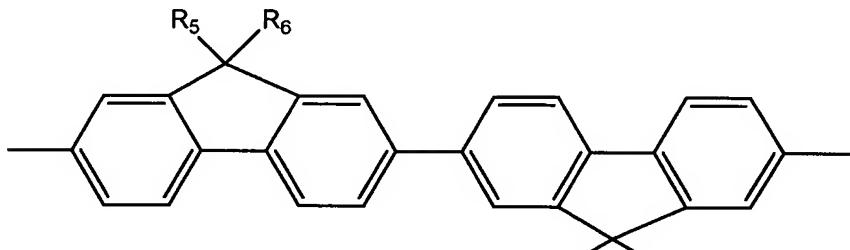
(1k)



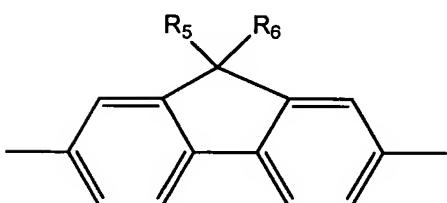
(1m)

wherein R₅ and R₆ are independently selected from the group consisting of a hydrogen atom, a substituted or unsubstituted C₁₋₁₂ alkyl group, a substituted or unsubstituted C₁₋₁₂ alkoxy group and a substituted or unsubstituted amino group.

3. (Currently Amended) The polymer of claim 1, wherein the arylene (Ar) unit in ~~the main chain of the polymer~~ has an alkyl fluorene structure as represented by formula 1k or 1m,



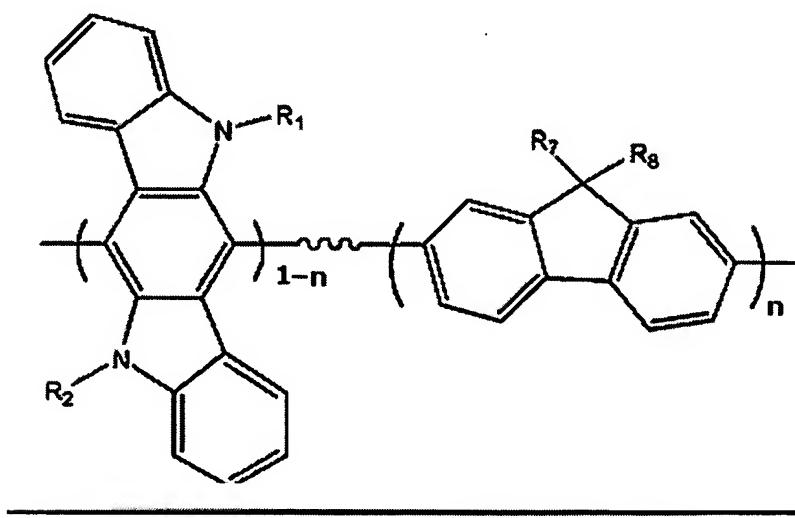
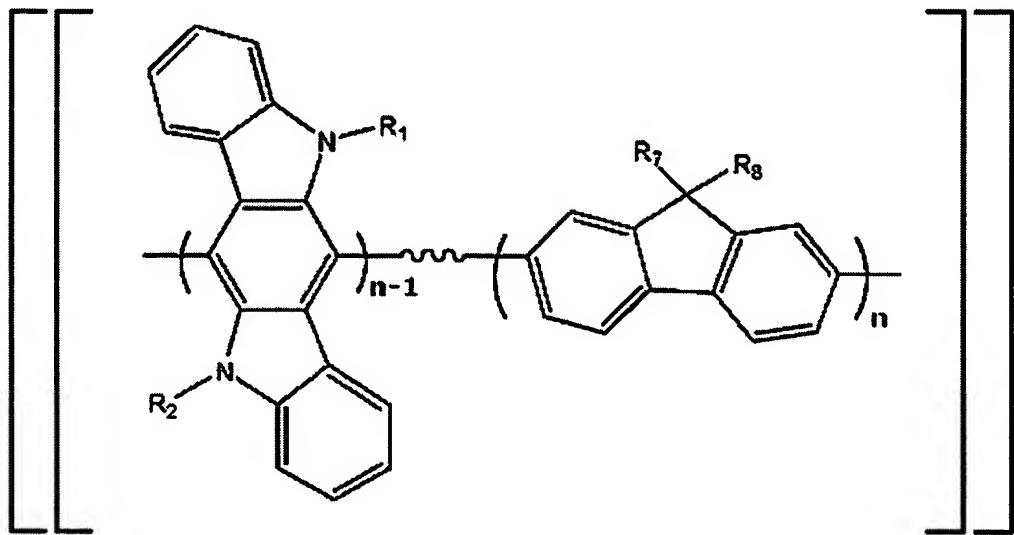
(1k)



(1m)

4. (Canceled).

5. (Currently Amended) The polymer of claim 1, wherein the polymer is a compound represented by formula 2:



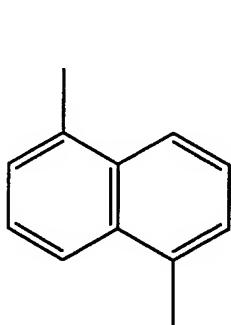
<Formula 2>

wherein R₁, R₂, R₇ and R₈ are independently a C₁₋₁₂ alkyl group, and n is a real number between 0.01 and 0.99.

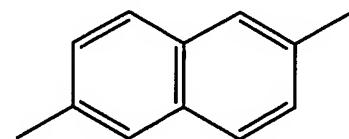
6. (Original) An organic EL device comprising an organic layer positioned between a pair of electrodes, the organic layer comprising the polymer of claim 1.

7. (Original) The organic EL device of claim 6, wherein the organic layer is an emissive layer or a hole transport layer.

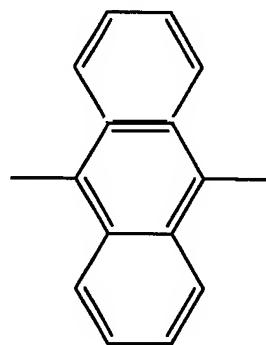
8. (Currently Amended) The organic EL device of claim 6, wherein in formula 1, the arylene (Ar) unit ~~in the main chain of the polymer~~ is a group represented by one or more formula selected from the group consisting of:



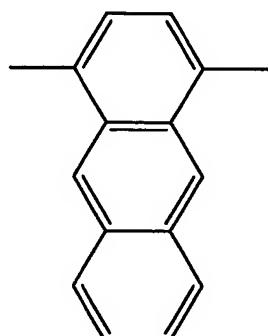
(1a)



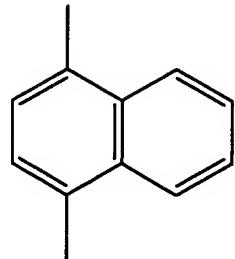
(1b)



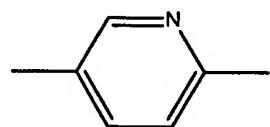
(1c)



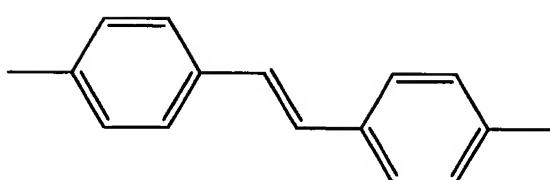
(1d)



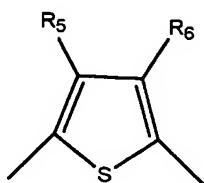
(1e)



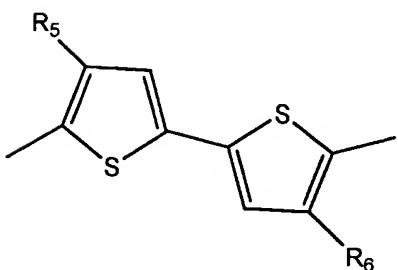
(1f)



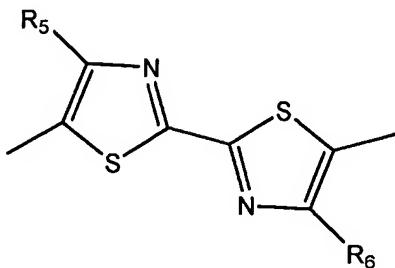
(1g)



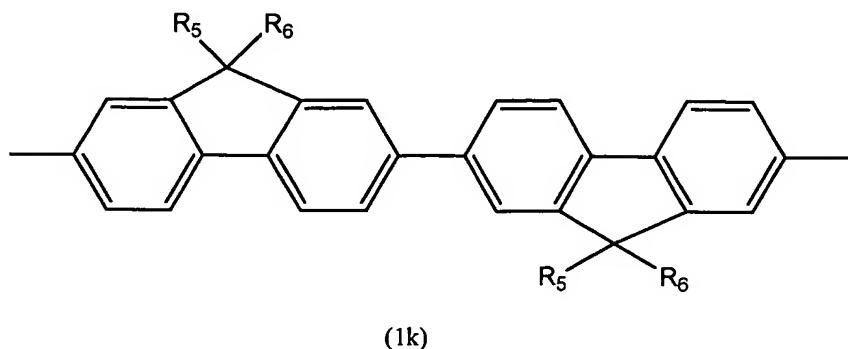
(1h)



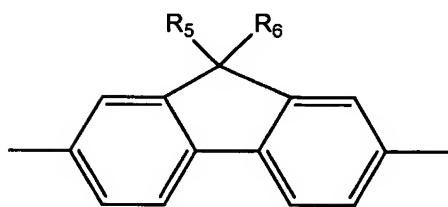
(1i)



(1j)



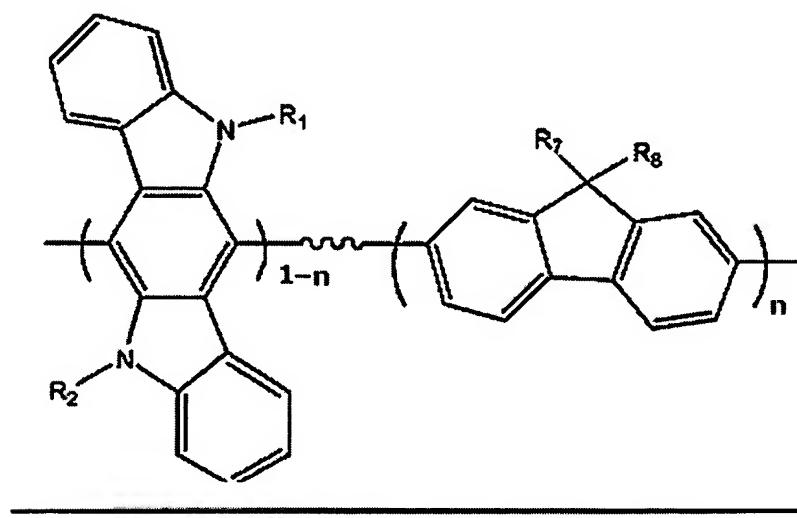
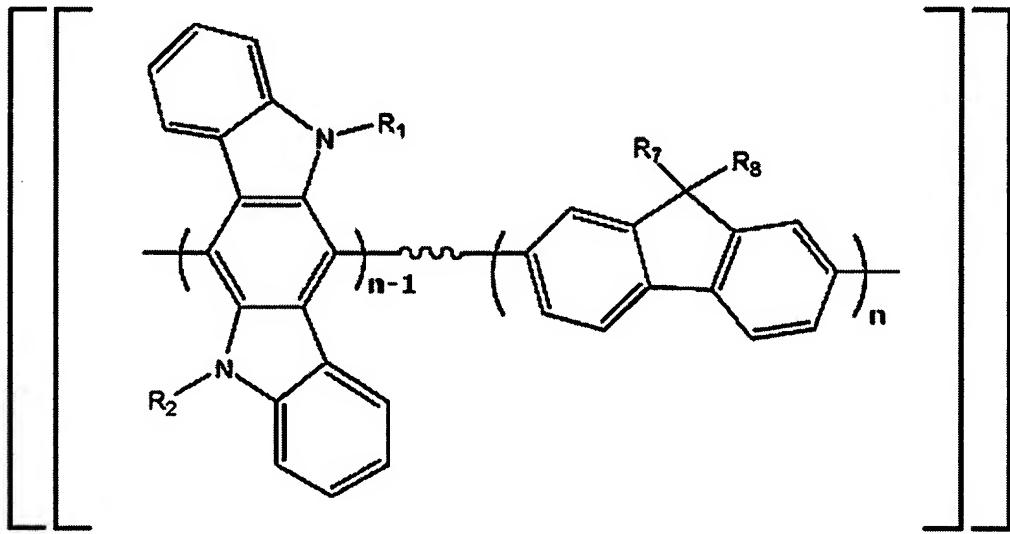
(1k)



(1m)

wherein R₅ and R₆ are independently selected from the group consisting of a hydrogen atom, a substituted or unsubstituted C₁₋₁₂ alkyl group, a substituted or unsubstituted C₁₋₁₂ alkoxy group and a substituted or unsubstituted amino group.

9. (Currently Amended) The organic EL device of claim 6, wherein the polymer is a compound represented by formula 2:



<Formula 2>,

wherein R₁, R₂, R₇ and R₈ are independently a C₁₋₁₂ alkyl group, and n is a real number between 0.01 and 0.99.